

ABSTRACT OF THE DISCLOSURE

An analog front end for communicating discrete multitone modulated signals on a subscriber line includes a hybrid network for eliminating near-end echos. The hybrid network includes a hybrid input, a receive input, and a hybrid output. The receive input is capacitively coupled to a subscriber line carrying an upstream data signal and a downstream data signal. The hybrid input is capacitively coupled to receive the upstream data signal from a driver. The driver also provides the upstream data signal to the subscriber line. The hybrid output provides the extracted downstream data signal from the subscriber line. The hybrid network may be fabricated on an integrated circuit die. In one embodiment, the hybrid network is a complementary metal oxide semiconductor integrated circuit.